

**REMARKS**

In the Office Action the Examiner noted that claims 1-16 are pending in the application, and the Examiner rejected all claims. By this Amendment, claims 1, 3, 5, 7, 9, 11, 13, and 16 have been amended. No new matter has been presented. Thus, claims 1-16 remain pending in the application. The Examiner's rejections are traversed below, and reconsideration of all rejected claims is respectfully requested.

**Claim Rejections Under 35 USC §101**

In item 3 on pages 2-3 of the Office Action the Examiner rejected claims 1-16 under 35 U.S.C. §101, alleging the claimed invention is directed to non-statutory subject matter. Particularly, the Examiner alleged that the independent claims are directed to non-statutory subject matter because the claim features fail to accomplish a practical application, and also alleged that some of these claims further are merely directed to software per se.

By this Amendment, claims 1, 3, 5, 7, 9, 11, 13, and 16 have been amended and are no longer presented in the form rejected by the Examiner. For instance, claim 1 has been amended to include an outputting step outputting the sine function which was derived in other recited features of the claim. These amendments are supported throughout the specification, and particularly at least in lines 7-8 on page 36 and lines 9-10 on page 37, as well as Figures 8 and 9. Therefore, the Applicants respectfully request the withdrawal of the Examiner's §101 rejections of claims 1-16.

**Allowable Subject Matter**

In item 4 on page 3 of the Office Action the Examiner objected to claims 1-16 but indicated that these claims would be allowable if amended to overcome the §101 rejections.

As discussed in the previous section of this Amendment, claims 1-16 meet the requirements of §101.

Summary

In accordance with the foregoing, claims 1, 3, 5, 7, 9, 11, 13, and 16 have been amended. No new matter has been presented. Thus, claims 1-16 remain pending in the application.

There being no further outstanding objections or rejections, it is respectfully submitted that the application is in condition for allowance. An early action to that effect is courteously solicited.


Finally, if there are any formal matters remaining after this response, the Examiner is requested to telephone the undersigned to attend to these matters.

If there are any additional fees associated with filing of this Amendment, please charge the same to our Deposit Account No. 19-3935.

Respectfully submitted,

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Date: June 19, 2008

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